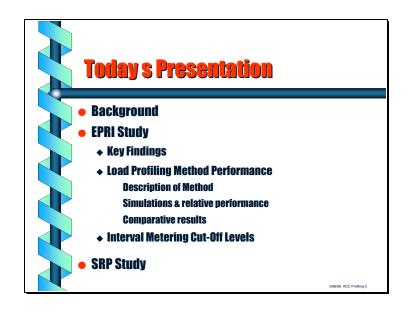
SRP Load Profiling Presentation Arizona Corporation Commission - Unbundled Services & Standard Offer Working Group - Metering & Meter Reading Committee May 18, 1998

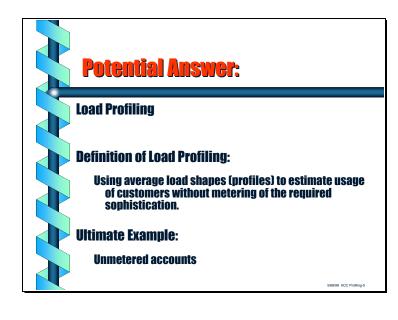


Disclaimer

- The presentation today relates specifically to SRP s system and data.
- SRP does not warrant conclusions drawn from this data as being applicable to other situations.
- Specific research would be required to ascertain whether the methods described would yield similar results for other entities.





History - SRP Study 14 mos. ago - SRP group formed to consider deregulation issues, including profiling 9 mos. ago - Smaller group set out to test deregulation issues as feasible



- SRP Decided to contract with EPRI separately for a supplement to the base study
 - ◆ Compare an SRP developed load profiling method to the others in the base study
 - Examine the question of cut-off levels for requiring interval metering

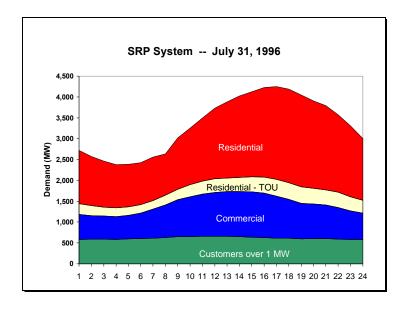


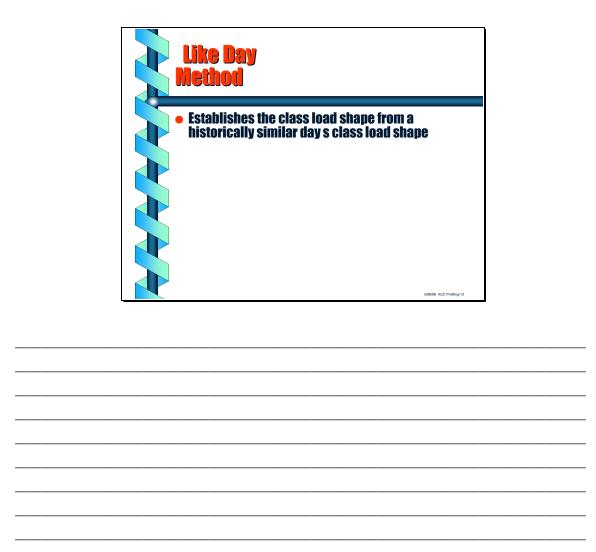
Multiplier Method Like Day Method Also sometimes called Proxy Day Method Multiplier Method less 500MW Same as Multiplier Method with 500MW of base load removed from calculated relationships.

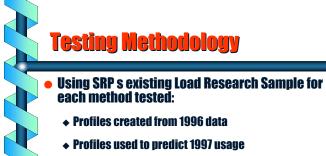
Multiplier & Modified Multiplier Methods

- Establishes a class load shape from the class s historical relationship to the Control Area load shape
- Segmentation by existing rate class
- Multiplier Curve for each month and by day type (i.e. weekday or weekend) within the month

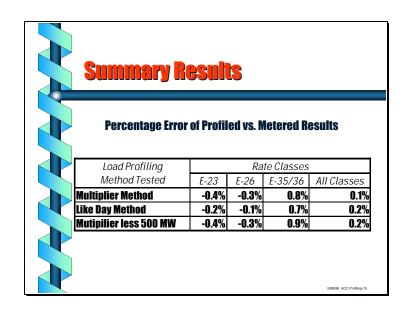
Creating the Multiplier Curve (The Reader's Digest Version) • Derivation from historical data: Multiplier Curve = Class Load / Control Area Load • Use when Control Area Load is known: Class Load = (Multiplier Curve) X (Control Area Load)

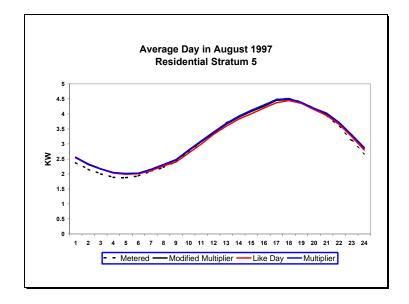


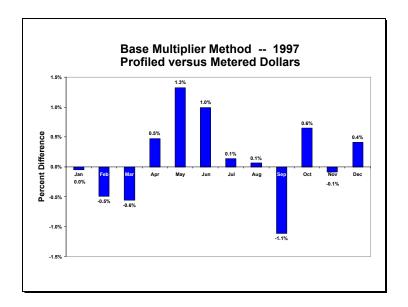


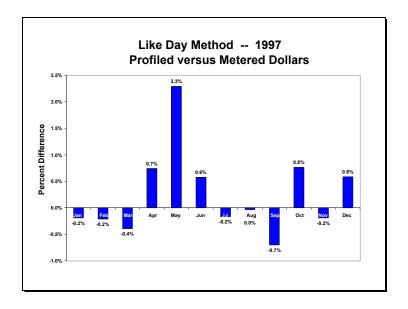


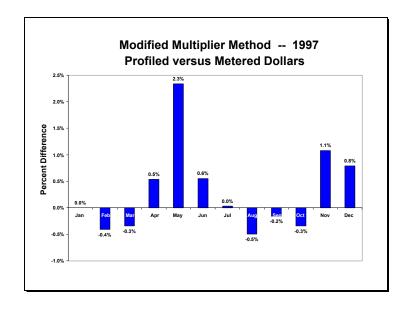
- 1997 profile predicted usage compared to actual hourly metered usage
- Hourly energy differences priced at the value of the highest cost SRP resource in use that hour











Preliminary Conclusions

- Load Profiling appears to be relatively accurate
- Partially dynamic load profiling methods may be acceptably accurate
- Interval metering cut-off levels may be able to be relatively high if economics is the only consideration
